

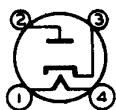


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## HALF-WAVE HIGH-VACUUM RECTIFIER

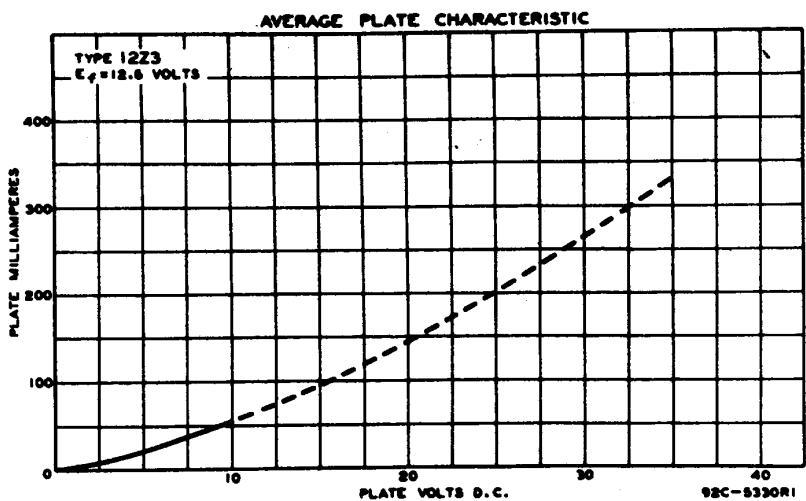
Heater*	Coated Unipotential Cathode	
Voltage	12.6	a-c or d-c volts
Current	0.3	amp.
Maximum Overall Length		4-3/16"
Maximum Diameter		1-9/16"
Bulb		ST-12
Base		Small 4-Pin
Pin 1-Heater		Pin 3-Cathode
Pin 2-Plate		Pin 4-Heater
Mounting Position	BOTTOM VIEW (4G)	Any

HALF-WAVE RECTIFIER

Peak Inverse Voltage	700 max. volts
Peak Plate Current	330 max. ma.
D-C Heater-Cathode Potential	350 max. volts
<i>Typical Operation with Condenser-Input Filter:</i>	
A-C Plate Voltage (RMS) 117	150
Total Effective Plate-	235 max. volts
Supply Impedance <sup>▲</sup>	0 min. 30 min. 75 min. ohms
D-C Output Current	55 max. 55 max. 55 max. ma.

<sup>▲</sup> When a filter-input condenser larger than 40  $\mu$ f. is used, it may be necessary to use more plate-supply impedance than the minimum value shown to limit the peak plate current to the rated value.

\* Under no condition of operation should the normal operating heater voltage of 12.6 volts ever fluctuate to exceed a maximum of 15 volts.



FEB. 2, 1940

RCA RADIOTRON DIVISION  
RCA MANUFACTURING COMPANY, INC.

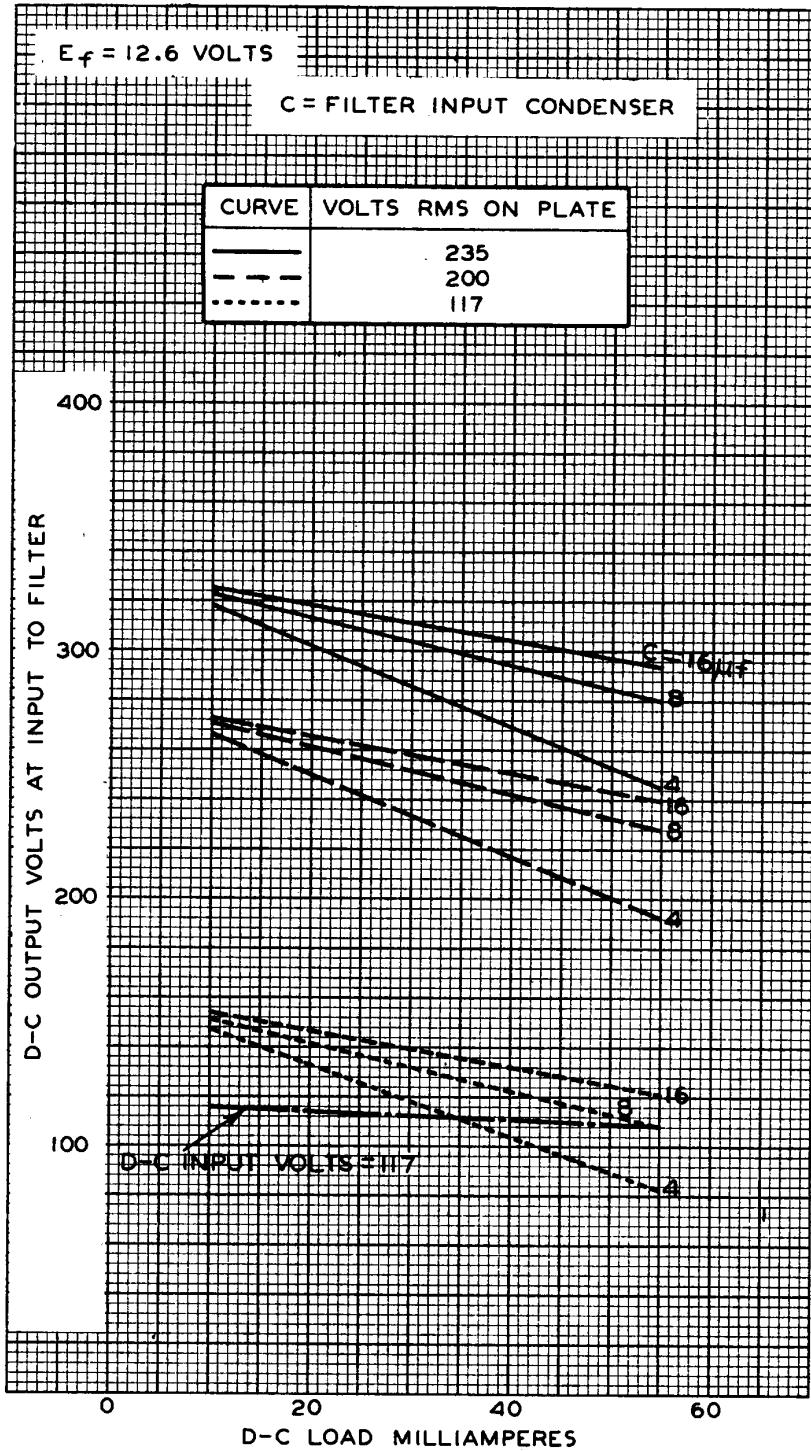
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## OPERATION CHARACTERISTICS



NOV. 27, 1939

RCA RADIOTRON DIVISION  
RCA MANUFACTURING COMPANY, INC.

92C-5361R1